

Appin. No.: 09/740,364  
Amendment Dated  
Reply to Office Action of June 17, 2005

MATP-600US

**Amendments to the Claims:** This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Previously Presented) A display interface for a television receiver comprising:

a channel matrix having  $n$  columns and  $m$  rows for displaying a plurality of channel indicators for at most  $n \times m$  channels, where  $n$  and  $m$  are positive integers greater than 2, each channel indicator corresponding to a respectively different position in the matrix, wherein the channel matrix includes entries for both available and unavailable channels for one group of channels among a plurality of channel groups;

a channel group indicator configured to be activated to switch the channel matrix among the groups of channels to select a current group of channels and to display another channel indicator of a base channel for the current group of channels;

a cursor configured to be moved to positions along the rows and columns of the matrix;

a channel status section which displays status information on a television channel corresponding to the channel indicator at the position of the cursor on the matrix, wherein said status information comprises bookmarked channel information;

a channel selector which selects the channel corresponding to the channel indicator at the position of the cursor on the matrix, wherein respective channel indicators on said channel matrix are highlighted to indicate that corresponding channels are bookmarked; and

removal means, responsive to a user command, for simultaneously removing multiple bookmarks corresponding to highlighted channel indicators on said channel matrix.

2. (Canceled)

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3. (Previously Presented) A display interface in accordance with claim 1, wherein highlighting comprises at least one of color-coding, modifying fonts, underlining, alternating colors, displaying symbols or providing audio cues.
4. (Original) A display interface in accordance with claim 1, wherein ones of the bookmarked channels have at least one predetermined property.
5. (Original) A display interface in accordance with claim 4, wherein the predetermined property depends, at least in part, on information about the channels contained in an electronic program guide and the bookmarking of channels is modified at times corresponding to times at which changes in the property are to occur as described in the electronic program guide.
6. (Original) A display interface in accordance with claim 1 further including a remote control device, having at least one bookmark key for designating a selected channel as bookmarked or not bookmarked.
7. (Original) A display interface in accordance with claim 1 further including a remote control device, having at least one each of a "browse previous" and a "browse next" key for displaying, relative to a selected channel number, a next lower channel number bookmarked channel and a next higher channel number bookmarked channel, respectively.
8. (Original) A display interface in accordance with claim 1 further including a voice recognition system that recognizes voiced direction commands to move the cursor along the rows and columns of the matrix and recognizes a voiced selection command to act as the channel selector.
9. (Original) A display interface in accordance with claim 1 further including a voice recognition system that recognizes voiced direction commands to designate a selected channel as bookmarked or not bookmarked.
10. (Original) A display interface in accordance with claim 1 further including a voice recognition system that recognizes voiced direction commands to display,

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relative to a selected channel number, a next lower channel number bookmarked channel and a next higher channel number bookmarked channel.

11. (Previously Presented) A user interface method for bookmarking channels comprising the acts of:

displaying a channel matrix having n columns and m rows, the channel matrix including entries representing both available and unavailable channels for one group of channels among a plurality of channel groups;

displaying a channel group indicator which switches the channel matrix among the plurality of groups of channels to select a current group of channels and to display another channel indicator of a base channel for the current group of channels;

highlighting channel indicators to indicate if corresponding channels are bookmarked;

moving a cursor over a channel indicator in the matrix to modify a bookmark status of a corresponding channel;

responsive to a user command, adding or removing a bookmark from said corresponding channel; and

responsive to a user command, simultaneously removing multiple bookmarks corresponding to highlighted channel indicators on said channel matrix.

12. (Original) A method according to claim 11 further including the act of displaying status information concerning said corresponding channel, wherein said status information includes bookmarked channel information.

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13. (Original) A method according to claim 11 further including the act of, responsive to a user command, displaying, relative to a selected channel number, one of the next higher or next lower bookmarked channel number from the channel number corresponding to a current cursor position.

14. (Previously Presented) A method in accordance with claim 11, wherein the act of highlighting comprises at least one of color-coding, modifying fonts, underlining, alternating colors, displaying symbols or providing audio cues.

15. (Original) A method in accordance with claim 11, further including the act of bookmarking all channels having a predetermined property.

16. (Original) A method in accordance with claim 15, wherein the predetermined property depends, at least in part, on information about channels contained in an electronic program guide and the step of bookmarking includes the act of bookmarking at times corresponding to times at which changes in the property are to occur as described in the electronic program guide.

17. (Previously Presented) Apparatus for bookmarking channels displayed in a channel matrix comprising:

means for displaying said channel matrix having  $n$  columns and  $m$  rows for displaying channel indicators for at most  $n \times m$  channels, where  $n$  and  $m$  are positive integers greater than 2, each channel indicator corresponding to a respectively different position in the matrix wherein the channel matrix includes entries for both available and unavailable channels for one group of channels among a plurality of channel groups;

means for switching the channel matrix among the groups of channels to select a current group of channels and to display another channel indicator of a base channel for the current group of channels;

means for highlighting channel indicators to indicate if corresponding channels are bookmarked;

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means for moving a cursor over a channel indicator in the matrix to modify a bookmark status of a corresponding channel;

means for, responsive to a user command, adding or removing a bookmark from said corresponding channel; and

means for, responsive to a user command, simultaneously removing multiple bookmarks corresponding to highlighted channel indicators on said channel matrix.

18. (Previously Presented) Apparatus in accordance with claim 17, wherein the channels corresponding to the channel indicators in the matrix have first and second configurations and the apparatus further includes means for modifying the channel indicators corresponding to channels having the first configuration and not modifying the channel indicators corresponding to channels having the second configuration.

19. (Previously Presented) A computer readable carrier including a computer program that controls a computer to implement a user interface method for bookmarking channels displayed in a channel matrix, the computer program causing the computer to perform the steps of:

displaying said channel matrix having  $n$  columns and  $m$  rows for displaying channel indicators for at most  $n \times m$  channels, where  $n$  and  $m$  are positive integers greater than 2, each channel indicator corresponding to a respectively different position in the matrix wherein the channel matrix includes entries for available and unavailable channels for one group of channels among a plurality of channel groups;

a channel group indicator configured to be activated to switch the channel matrix among the groups of channels to select a current group of channels and to display another channel indicator of a base channel for the current group of channels;

highlighting channel indicators to indicate if corresponding channels are bookmarked;

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moving a cursor over a channel indicator in the matrix to modify a bookmark status of a corresponding channel;

responsive to a user command, adding or removing a bookmark from said corresponding channel; and

responsive to a user command, simultaneously removing multiple bookmarks corresponding to highlighted channel indicators on said channel matrix.

20. (Previously Presented) A display interface for a television receiver, comprising:

a channel matrix having  $n$  columns and  $m$  rows for displaying a plurality of channel indicators for at most  $n \times m$  channels, where  $n$  and  $m$  are positive integers greater than 2, each channel indicator corresponding to a respectively different position in the matrix, wherein the channel matrix includes entries for both available and unavailable channels for one group of channels among a plurality of channel groups;

a channel group indicator configured to be activated to switch the channel matrix among the groups of channels to select a current group of channels and to display another channel indicator of a base channel for the current group of channels;

a cursor configured to be moved to positions along the rows and columns of the matrix;

a channel status section which displays status information on a television channel corresponding to the channel indicator at the position of the cursor on the matrix, wherein said status information comprises bookmarked channel information and favorite channel information, separate from the bookmarked channel information; and

a channel selector which selects the channel corresponding to the channel indicator at the position of the cursor on the matrix, wherein the channel matrix is configured to be displayed with only channels that are bookmarked.